

CLAIMS

1. Panel for producing a swimming pool having a prefabricated structure having a quadrangular general shape with a peripheral squared framework delimiting vertical assembly flanges (1b) and (1c) and upper (1d) and lower (1e) horizontal flanges, characterized in that:
 - 5 - said panel is produced by a process for the compression injection-moulding of a recycled plastic in order to achieve a length of between 1000 mm and 2000 mm approximately, a thickness of approximately 7 to 8 mm with a plurality of stiffening ribs (1a) overhanging the outer face of said panel, the base of said ribs being approximately 6 to 7 mm,
 - 10 - the upper horizontal flange (1d) has, in its thickness, a profiled groove (1d1) for the engagement and the clamping of a protective sheet (2) covering the inner face of said panel and known as a liner.
2. Panel according to Claim 1, characterized in that it has, on the ribbed-face side, the peripheral squared framework, the vertical flanges (1b) and (1c) of which have complementary arrangements for coupling with adjacent panels in order to produce the closed structure of the pool.
- 25 3. Panel according to Claim 1, characterized in that the lower horizontal flange (1e) has arrangements for the engagement of members for anchoring in the ground.
- 30 4. Panel according to Claim 1, characterized in that the ribs (1a) are formed vertically and/or horizontally on the outer face of said panel.

5. Panel according to Claim 1, characterized in that the horizontal upper edge of the outer face of said panel delimits a strip formed from a plurality of ribs (1f) arranged in staggered fashion, particularly in the form of a honeycomb.
10. Panel according to Claim 1, characterized in that it has, in its thickness, at regular or irregular intervals and parallel to its vertical edges, reductions in thickness capable of acting as hinges in order to modify the longitudinal profile of said panel as desired.
15. Panel according to Claim 1, characterized in that its outer face has, in its upper part, catching and positioning arrangements (1g) capable of interacting with complementary arrangements (3a) of attached independent modifiable elements (3) acting as gutters for the pouring of a concrete with a view to forming a peripheral upper anchorage after coupling of the various panels.
20. Panel according to Claims 1 and 7, characterized in that its outer face has, over all or part of its height, catching and positioning arrangements capable of interacting with complementary arrangements of at least one attached independent element (4) acting as a vertical shaft, in communication with the anchorage elements, for the pouring of a concrete.